MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

FEBRUARY, 1938

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

FEBRUARY 1938
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.1	59.9	58.1	60.4	17.8	11.1	15.2	17.4	16.1	16.2
2	57.3	4.9	9.6	57.2	17.8	9.1	14.1	14.6	12.1	13.6
3	63.5	64.1	65.1	64.2	16.8	11.7	13.1	16.4	13.4	14.3
4	6.3	4.4	4.1	4.9	17.3	12.4	13.7	16.4	13.4	14.5
5	2.7	0.9	59.5	1.0	18.8	12.7	14.7	17.2	14.1	15.3
6	58.4	57.6	57.9	58.0	17.6	6.6	15.4	14.7	11.2	13.8
7	8.8	7.0	9.3	8.3	14.8	7.6	8.0	14.6	12.3	11.6
8	60.0	9.6	61.1	60.2	14.4	10.3	12.7	13.2	12.3	12.7
9	59.3	7.5	57.6	58.1	14.3	4.4	10.3	13.6	9.8	11.2
10	9.5	61.8	63.8	61.7	10.7	6.2	7.6	7.0	8.5	7.7
11	64.7	63.5	64.7	64.3	13.2	8.2	8.4	12.5	10.6	10.5
12	5.5	3.9	3.8	4.4	17.1	10.7	12.7	16.1	12.3	13.7
13	3.8	1.5	57.5	0.9	18.0	12.7	13.1	17.5	15.2	15.3
14	3.6	3.6	65.0	4.1	19.0	11.1	16.3	17.6	15.3	16.4
15	5.9	5.1	5.3	5.4	17.8	11.7	14.7	16.9	15.4	15.7
16	65.2	63.5	63.6	64.1	18.1	12.5	14.9	16.5	15.2	15.5
17	1.3	59.1	59.6	0.0	18.3	12.1	14.3	17.6	14.3	15.4
18	59.9	9.4	9.7	9.7	19.1	12.5	15.7	17.9	14.4	16.0
19	60.8	60.1	61.1	60.7	18.3	11.6	13.7	17.7	13.6	15.0
20	0.5	59.1	0.6	0.1	18.1	11.8	14.3	17.6	13.2	15.0
21	60.2	58.7	58.6	59.2	17.9	13.8	15.1	17.0	13.9	15.3
22	55.4	3.2	2.8	3.8	18.9	11.1	16.8	15.5	12.6	15.0
23	6.0	7.1	8.6	7.2	15.0	10.6	13.6	13.6	12.7	13.3
24	61.6	62.6	63.7	62.6	15.7	9.6	10.7	13.2	13.2	12.4
25	4.5	3.6	4.9	4.3	13.3	6.4	10.2	11.4	8.6	10.1
26	67.6	68.7	70.9	69.1	10.0	5.4	8.1	8.7	7.6	8.1
27	70.9	9.6	68.6	9.7	11.6	5.4	8.5	10.6	9.6	9.6
28	66.3	5.4	5.3	5.7	14.3	7.6	9.8	12.4	9.3	10.5
	762.24	761.26	761.80	761.76	16.21	9.89	12.70	14.84	12.51	13.35

Barometer, range for month 752.8 mm.–770.9 mm.
„ 50-yr. average for month 762.300 mm.
Thermometer, range for month 4.4° C.—19.1° C.
„ 50-yr. average for month 14.32° C.
Rain, total for month 191.49 mm.
„ , 50-yr. average for month 150.88 mm.
„ , total, Sept. 1st to end of month 1022.207 mm.
„ 50-yr. average, Sept. 1st to end of month 727.720 mm.

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	7.5	10.9	10.3	9.6	58	74	76	69	5.1	123.2	
2	8.2	9.7	9.2	9.0	68	79	88	78	1.1	152.5	16.535
3	9.9	9.9	9.5	9.8	87	72	82	80	9.5	62.2	1.270
4	8.4	9.4	8.6	8.8	71	68	74	71	10.0	226.3	
5	7.4	9.5	8.4	8.4	60	65	70	65	10.1	260.3	
6	9.3	9.7	7.7	8.9	71	78	78	76	4.7	635.2	8.255
7	7.9	8.5	8.5	8.3	97	68	80	82	1.6	595.2	89.408
8	8.1	7.9	8.7	8.2	74	69	81	75	3.5	635.3	5.715
9	8.8	8.0	6.7	7.8	94	68	74	79	1.4	860.4	10.668
10	4.9	4.2	4.8	4.6	63	56	59	59	2.4	503.0	6.731
11	5.3	6.5	7.1	6.3	65	61	75	67	5.2	578.6	0.965
12	8.1	8.3	8.0	8.1	74	60	76	70	4.2	256.9	1.397
13	6.6	9.3	6.5	7.6	62	63	50	58	7.1	237.8	
14	8.8	9.6	6.6	8.3	64	64	51	60	9.5		
15	7.5	9.6	8.9	8.7	62	67	68	66	10.5		
16	7.5	8.1	10.1	8.6	59	58	79	66	10.5	259.4	
17	7.0	10.8	9.6	9.1	58	72	79	70	5.5	196.8	
18	9.0	10.5	10.0	9.8	68	69	82	73	9.7	328.2	
19	9.1	9.2	7.9	8.4	78	55	68	67	6.4	235.2	
20	8.5	8.3	8.0	8.3	70	56	71	66	9.4	255.9	
21	8.5	9.2	7.1	8.3	66	64	60	63	8.7	428.6	
22	8.1	9.1	9.5	8.9	57	69	88	71	3.6	1021.8	4.699
23	8.8	8.5	7.6	8.3	76	73	69	73	1.9	547.1	31.496
24	8.4	7.7	7.9	8.0	88	67	69	75	3.9	764.4	6.096
25	8.8	6.8	6.8	7.5	95	68	82	82	1.1	531.2	5.969
26	4.8	4.5	4.6	4.6	59	55	60	58	4.4	510.0	2.286
27	4.8	5.8	5.2	5.3	58	61	59	59	8.6	414.2	
28	4.9	5.7	5.5	5.4	53	54	62	56	10.1	251.4	
	7.79	8.40	7.83	7.96	69.8	65.5	71.8	69.1	6.06	418.23	6.839

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	0	2n	1n	mod.	gale p.m.
2	9cu	10ni	10ni	9.7	2s	2s	1s	rough	„ „
3	6cu	3cu	0	3.0	1s	0	1e	mod.	
4	1cu	7cu	0	2.7	2se	2n	2se	slight	mist a.m.
5	0	0	0	0.0	2se	3n	2n	calm	
6	3cu	9nicu	10ni	7.3	3s	5sw	4s	slight	ltng., hail at night
7	10ni	9nicu	10ni	9.7	5s	5s	6s	rough	
8	8nicu	10ni	10ni	9.3	4s	6s	4s	„	
9	10ni	10cu	10cu	10.0	3s	3s	7s	„	
10	7cu	10nicu	10cu	9.0	8nw	5sw	1s	stormy	snow flurry a.m.
11	7cu	10cu	10nicu	9.0	2se	3s	4s	mod.	
12	10stcu	1cu	3ci	4.7	3s	2sw	2sw	„	
13	10ci	10ci	10cicu	10.0	2e	2nw	2s	„	
14	2cicu	1cu	0	1.0	sw	w	w	„	mist a.m.
15	2cu	0	0	0.7	se	n	s	„	„ „
16	0	3ci	0	1.0	3se	2n	3s	slight	„ „
17	5ci	10ci	6ci	7.0	1ne	1sw	2se	„	„ „
18	3ci	5ci	4cicu	4.0	3s	4s	1s	„	„ „
19	8cu	8ci	2cicu	6.7	2s	2w	3e	„	
20	9ci	4ci	0	4.3	1se	2n	2se	„	
21	9cicu	10cicu	0	6.3	3se	4s	3s	calm	ltng. at night
22	3st	10nicu	10ni	7.7	5s	7s	5s	stormy	gale at night
23	10nicu	10nicu	6cu	8.7	5s	5s	4s	„	
24	10ni	10ni	9cu	9.7	5s	5s	4sw	rough	
25	10ni	10ni	10ni	10.0	2s	4s	4s	„	
26	9cu	9cu	9cu	9.0	4sw	4w	5n	„	
27	10cu	2cu	0	4.0	2e	4n	6n	mod.	
28	0	2cu	7cu	3.0	3se	2s	2se	slight	
29					26	26	26		
30									
31					76	86	81		
				5.97	2.9	3.3	3.1		

10 12 11

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	1	2	8	13	2	0	1	1	28
14:30	7	0	0	0	12	4	3	1	1	28
20:30	4	0	2	4	15	2	1	0	0	28
Totals	11	1	4	12	40	8	4	2	2	84

Number of days with rain 14, fog 0, thunderstorms 0, gales 3.

50 yr. average number of days with rain during month 13.6